

#8/a

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Klaus Cichutek *et al.*

Art Unit : 1648

Serial No. : 09/555,350

Examiner : U. Winkler

Filed : May 26, 2000

Title : CELL-SPECIFIC RETROVIRAL VECTORS WITH ANTIBODY DOMAINS
AND METHOD FOR THE PRODUCTION THEREOF FOR SELECTIVE GENE
TRANSFER

Commissioner for Patents
Washington, D.C. 20231

RECEIVED

FEB 28 2002

SUPPLEMENTAL PRELIMINARY AMENDMENT

TECH CENTER 1600/2900

Prior to examination, please amend the application as follows.

In the specification:

Replace the paragraph beginning at page 5, line 12, with the following paragraph.

a1 -- Figs. 4A and 4B show the nucleic acid sequence of pTC53 (SEQ ID NO:1) and amino acids encoded thereby (SEQ ID NOs:2-21, 23-31, and 22, respectfully). --

Replace the paragraph beginning at page 9, line 32, with the following paragraph.

-- 2. Cloning of specific scFV-cDNA fragments into Env expression constructs

a2 The scFc-cDNAs of 150 cell-specific scFv were excised in a usual manner from the phagemid DNA and each of the DNAs was ligated into the expression construct pTC53. pTC53 was obtained by modification of the universal eukaryotic vector pRD114 (Chu et al., J. Virol. 71 (1997) 720-725; Sheay et al., BioTechniques 15 (1993) 856-861; Chu et al., BioTechniques 18 (1995) 890-895). In this vector, the SNV-wt-env gene was deleted except for the leader sequence and the transmembrane-protein encoding cDNA. An additionally inserted spacer enables the insertion of a foreign DNA (here scFv-cDNA) following the ENV-leader sequence

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

Date of Deposit

Signature

Typed or Printed Name of Person Signing Certificate

January 17, 2002

Mary E. Jacoby

Mary E. Jacoby



Attorney's Docket No.: 11692-004001

1648/Seq.

#8 A. 1
Seq. List
3/5/02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Klaus Cichutek *et al.*
Serial No. : 09/555,350
Filed : May 26, 2000
Title : CELL-SPECIFIC RETROVIRAL VECTORS WITH ANTIBODY DOMAINS
AND METHOD FOR THE PRODUCTION THEREOF FOR SELECTIVE GENE
TRANSFER

Art Unit: 1648
Examiner: Ulrike Winkler, Ph.D.

Commissioner for Patents
Washington, D.C. 20231

RECEIVED

FEB 28 2002

RESPONSE TO OFFICE COMMUNICATION DATED 12/19/01 **TECH CENTER 1600/2900**

In response to the Office communication dated December 19, 2001, Applicants submit herewith a Sequence Listing in computer readable form as required by 37 CFR §1.824. In addition, Applicants submit a Sequence Listing as required under 37 CFR §1.823(a) and a statement under 37 CFR §1.821(f). As required by 37 C.F.R. §1.821(g), the undersigned hereby declares that the enclosed submission includes no new matter.

Applicants file herewith a Preliminary Amendment requesting entry of a paper copy of the Sequence Listing into the instant application and appropriate SEQ ID NOs into the specification and claims.

Applicant hereby submits that the enclosures fulfill the requirements under 37 C.F.R. § 1.821-1.825. A copy of the "Notice to Comply" is enclosed.

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

January 17, 2002
Date of Deposit

Mary E. Jacoby
Signature

Mary E. Jacoby
Typed or Printed Name of Person Signing Certificate

Applicant : Klaus Cichutek *et al.*
Serial No. : 09/555,350
Filed : May 26, 2000
Page : 2

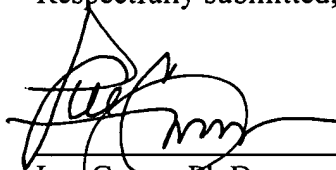
Attorney's Docket No.: 11692-004001

Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: _____

January 17, 2002



Lee Crews, Ph.D.
Reg. No. 43,567

Fish & Richardson P.C.
225 Franklin Street
Boston, Massachusetts 02110-2804
Telephone: (617) 542-5070
Facsimile: (617) 542-8906

20375317.doc